

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	"4649515".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:04
L3	1	(configuration near10 system and process near10 plant and manufacturing and safety near10 system and control near10 functions and processor and memory and communicatively and control near10 devices and safety near10 controller and configuration near10 database and store and process near10 control and configuration near10 application and perform near10 configuration same both).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:08
L4	0	WO0146765.pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:18
L5	0	WO200146765.pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:18
L6	2	"200146765".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:19
L7	6	"2355082".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:20
L8	2	"6631476".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:25
L9	1	8 and configur\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/03 12:26

## EAST Search History

S11 3	25	cindy near scott.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:45
S11 4	15	Julian near naidoo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:45
S11 5	50	gary near law.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:46
S11 6	167	michael near ott.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:46
S11 7	1	deeann near gates.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:47
S11 8	0	safety same process near10 (control\$4 operation) same (connect\$4 communicat\$3) near10 database near10 configur\$5 near10 both	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:49
S11 9	18	safety same process near10 (control\$4 operation) same (connect\$4 communicat\$3) near10 database near10 configur\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:49
S12 0	17	("5168441"   "5321829"   "5539906"   "5631825"   "5812394"   "6138174"   "6157864"   "6161051"   "6167316"   "6415418"   "6442512"   "6442515"   "6477435"   "6515683"   "6546297"   "6587108"   "6684385").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/01 23:54
S12 1	11	S120 and configur\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 23:55
S12 2	0	("7237109").URPN.	USPAT	OR	ON	2007/09/02 00:01

## EAST Search History

S12 3	23	("20020052673"   "20020091451"   "20020130846"   "20020145515"   "20030062494"   "20040193290"   "20040199351"   "20050097194"   "4427620"   "4448033"   "5768119"   "5970430"   "6014612"   "6049578"   "6155282"   "6186167"   "6292523"   "6510351"   "6721609"   "6774786"   "6850973"   "6898468"   "7010450"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:02
S12 4	4	("20030014536"   "5768119"   "6647301"   "6775707").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:19
S12 5	0	("6975966").URPN.	USPAT	OR	ON	2007/09/02 00:20
S12 6	6	("20020198907"   "5768119"   "6049578"   "6078320"   "6292523"   "6369836").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:21
S12 7	8	("20030062494"   "4448033"   "5768119"   "5970430"   "6014612"   "6155282"   "6186167"   "6647301"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:36
S12 8	20	("4598355"   "4649515"   "5151866"   "5408603"   "5428745"   "5428769"   "5491625"   "5506792"   "5519603"   "5553237"   "5555424"   "5561770"   "5568615"   "5572671"   "5583757"   "5631825"   "5655133"   "5726668"   "5864657"   "5984504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S12 9	0	S128 and safety near10 message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 0	765	700/79,21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 1	314	326/14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 2	2	S131 and appliance\$1 and pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44

## EAST Search History

S13 3	5976	(safety security fail-safe fail adj safe) near system and appliance\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 4	3375	(safety security fail-safe fail adj safe) near10 switch\$2 and appliance\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 5	27	(safety security fail-safe fail adj safe) near10 switch\$2 near10 (pulse\$2 near10 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S13 6	21	("5,339,430" "6,314,425" "6,381,698" "6,385,496" "6,928,328" "4,827,423" "5,546,301" "5,602,993" "5,649,200" "5,768,119" "5,838,563" "5,903,897" "5,940,294" "5,950,209" "6,047,129" "6,078,320" "6,314,425" "6,381,698" "6,385,494" "6,438,432" "6,445,963" "6,449,624" "6,647,315").pn.	USPAT	OR	ON	2007/09/02 00:44
S13 7	5	("5,768,119" "5,838,563" "5,940,294" "6,078,320" "6,445,963").pn.	USPAT	OR	ON	2007/09/02 00:44
S13 8	21	("4827423"   "5339430"   "5546301"   "5602993"   "5649200"   "5768119"   "5838563"   "5903897"   "5940294"   "5950209"   "6047129"   "6078320"   "6314425"   "6381698"   "6385494"   "6385496"   "6438432"   "6445963"   "6449624"   "6647315"   "6928328"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S13 9	4214	(714/24,31,47,8 700/110,21 702/35, 185).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 0	7	S139 and safety near10 message\$1 near10 (communication network) near10 controller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 1	20	("4598355"   "4649515"   "5151866"   "5408603"   "5428745"   "5428769"   "5491625"   "5506792"   "5519603"   "5553237"   "5555424"   "5561770"   "5568615"   "5572671"   "5583757"   "5631825"   "5655133"   "5726668"   "5864657"   "5984504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44

## EAST Search History

S14 2	9	("20020032491"   "20050091063"   "4367387"   "4410329"   "4816647"   "5786996"   "5946210"   "6201997"   "6873876").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S14 3	2	S142 and appliance\$1 and pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 4	644	714/699,709,24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 5	0	S141 and appliance\$1 and pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 6	54	S130 and appliance\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 7	21	S130 and appliance\$1 and pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 8	24	S144 and appliance\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S14 9	185	(safety security fail-safe fail adj safe) near10 switch\$2 and appliance\$1 and (pulse\$2 near10 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 0	21	S139 and safety near10 message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 1	3	safety near10 message\$1 near10 (communication network) near10 controller near10 host	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44

## EAST Search History

S15 2	7	S144 and appliance\$1 and pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 3	0	S136 and safety near10 message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 4	0	S136 and safe\$2 near10 message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 5	0	S137 and safety near10 message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 6	9	S139 and safety near10 message\$1 near10 (communication network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 7	73	safety near10 message\$1 and (communication network) same controller same host	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 8	2	S128 and safe\$2 same message\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S15 9	2	"5539906".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S16 0	5	("5,768,119" "5,838,563" "5,940,294" "6,078,320" "6,445,963").pn.	USPAT	OR	ON	2007/09/02 00:44
S16 1	5	("3849056").URPN.	USPAT	OR	ON	2007/09/02 00:44
S16 2	3	"3849056".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44

## EAST Search History

S16 3	5	"2004057430".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S16 4	7	("3258053"   "3324927"   "3684423"   "3715180"   "3741246").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S16 5	0	WO2004057430.pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S16 6	13	("5428745" "5561770" "5631825" "5491625" "5655133" "5555424" "5583757" "5568615" "5428769" "5151866" "5519603" "5408603" "5726668").pn.	USPAT	OR	ON	2007/09/02 00:44
S16 7	2	"6445963".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S16 8	2	safe\$2 near10 network near10 message\$1 near10 process\$2 and field near10 device\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S16 9	96	safe\$2 near10 message\$1 near10 process\$2 and field near10 device\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 0	71	S169 and network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 1	4	("20030014536"   "5768119"   "6647301"   "6775707").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S17 2	0	("6975966").URPN.	USPAT	OR	ON	2007/09/02 00:44
S17 3	11	("20040194101"   "4074565"   "4099242"   "4283634"   "4347563"   "4888726"   "5526358"   "6047222"   "6424872"   "6594530"   "6826590"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44

## EAST Search History

S17 4	6991	(709/217,218).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 5	0	S174 and S169	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 6	4498	safety near10 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 7	12	S174 and S176	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 8	6612	S174 and network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S17 9	76	safety near10 message\$1 same control\$4 near10 message\$1 same (transceiv\$4 send\$3 receiv\$3) same network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 0	1	(process near control and embedded near10 safety near10 network and host and send and receive and message\$1 and safety near5 message\$1 and communication and network and control near10 functionality and plurality and input/output and cards and safety and processor and field near5 device and safety-related).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 1	25	safety near10 control\$4 near10 (separate\$1 isolate\$1) same ((common "same") near10 (communication network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44



## EAST Search History

S18 2	16	("20020052673"   "20020091451"   "20020145515"   "20030062494"   "20040193290"   "20040199351"   "4427620"   "4448033"   "5768119"   "5970430"   "6014612"   "6049578"   "6155282"   "6186167"   "6292523"   "6774786").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44
S18 3	9	safety near10 control\$4 near10 message\$1 with (transceiv\$4 send\$3 receiv\$3) same communication near10 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 4	138	safety near10 control\$4 near10 message\$1 with (transceiv\$4 send\$3 receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 5	86	S184 and (communication same network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 6	121	S184 and (communication network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 7	20397	(safety near10 control) with system\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 8	59353	(safety and control) with system\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S18 9	33	(safety near10 control) with system\$1 same configuration near10 database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S19 0	51	(safety near10 control) with system\$1 same configur\$5 same database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S19 1	4	("20030014536"   "5768119"   "6647301"   "6775707").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/02 00:44

## EAST Search History

S19 2	59	(safety near10 control) same system\$1 same configur\$5 same database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S19 3	497	(safety and control) near10 (system\$1 process\$2) near10 configur\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 10:57
S19 4	15	700/79,80,21.ccls. and (safety near10 control) near10 configur\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S19 5	8	(safety near10 control) same system\$1 same configur\$5 same database not S190	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 00:44
S19 6	40	(safety and control) near10 (system\$1 process\$2) same (configur\$5 near10 both)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 19:03
S19 7	12	"707"/\$.ccls. and safety same operation same system\$1 same configurat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 19:08
S19 8	242	configur\$3 same safety same normal same systems	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 19:09
S19 9	8	configur\$3 same safety same normal same systems and common near10 database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/02 19:09